

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 01056747
PUBLICATION DATE : 03-03-89

APPLICATION DATE : 27-08-87
APPLICATION NUMBER : 62213912

APPLICANT : MITSUBISHI PETROCHEM CO LTD;

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INT.CL. : C08L 23/00 C08K 5/00 F16L 9/12

TITLE : PIPE FOR PLUMBING SYSTEM

ABSTRACT : PURPOSE: To provide a plumbing pipe composed of an ethylene- α -olefin copolymerized polymer compounded with specific amounts of a specific colorant and a stabilizer, having high weather resistance and resistant to the generation of water bubble, delamination and cracking caused by the contact with a halogen-containing water.

CONSTITUTION: The objective plumbing pipe is composed of (A) an ethylene- α -olefin copolymer containing 0.5~15wt.% of α -olefin and having a density of 0.9~0.955g/cm³ (preferably 0.915~0.95g/cm³) and an MFR of 0.01~5g/10min (preferably 0.05~2g/10min), (B) 0.02~7wt.% (preferably 0.1~3wt.%) of one or more colorants selected from organic pigments (e.g. azo pigment, phthalocyanine pigment, threne pigment or lake dye) and inorganic pigments (e.g. metal oxide pigment or chromate molybdate pigment) and (C) 0.005~2wt.% (preferably 0.01~1wt.%) of one or more stabilizers selected from oxidation stabilizer and light stabilizer.

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